



**US Army Corps  
of Engineers®**

Engineer Research and  
Development Center

# National Inventory of Dams (NID)

## Technology

The National Inventory of Dams (NID) contains information on approximately 79,000 dams throughout the U.S. that are more than 25 feet high, hold more than 50 acre-feet of water, or are considered a significant hazard if they fail. The NID is maintained and published by the U.S. Army Corps of Engineers with information from all 50 states, Puerto Rico, and 16 Federal agencies. The NID is available on the web at [www.tec.army.mil/nid](http://www.tec.army.mil/nid) for government users and the public at [www.tec.army.mil/nidpublic](http://www.tec.army.mil/nidpublic). The website enables query of dams using any of the 42 fields of information, including dam name, height, type, purpose, year of construction, and owner, with query results shown on screen or available in a downloadable file. Users can also display dams on a map of the U.S. which includes relevant features, such as state, county, congressional boundaries, waterways, and major cities. The Corps works closely with states and Federal agencies to obtain more complete and up-to-date information for the NID. The update process is greatly enhanced with the Dam Safety Program Management Tools (DSPMT), which is desktop software that enables dam owners or regulators to efficiently collect, manage, and export data for the NID. With the DSPMT, users can gather data from a variety of sources, analyze changes or trends since the last NID update, define additional data fields for internal use, and export updates through automatic web transfer.

## Problem

Before the NID web site, the NID was distributed as data only on a limited number of CDs. The data could not be easily searched or queried using a map display. A map display showing all the dams was also not available.

## Expected Cost To Implement

NID is free to all users.

## Benefits/Savings

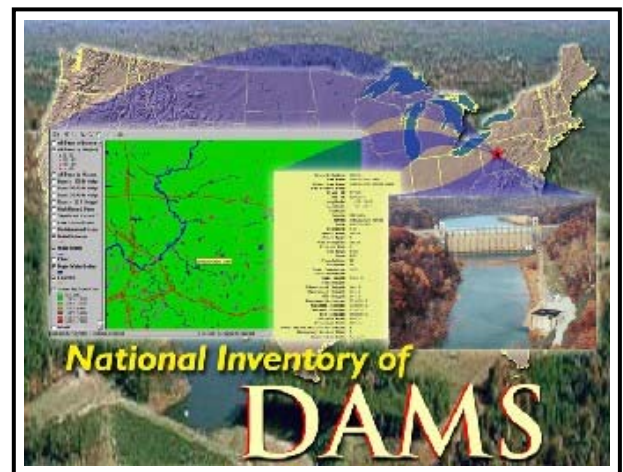
The NID provides open access and query capability to most dams in the U.S. through the Internet. A map display of dams in the U.S. is available at a variety of scales with various relevant map features. The DSPMT provides desktop software to help data providers compile and manage local inventory data, and provide to the NID.

## Status

The NID has been available on the Internet since January 1999. First time users of the map display must download and install a viewer plug-in, as directed by the web prompt. A revised NID with updates and more complete data was available in February 2005.

## ERDC POC

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<b>Distribution Sources</b>	The NID is distributed through the Internet at <a href="http://www.tec.army.mil/nid">www.tec.army.mil/nid</a> for government users and the public at <a href="http://www.tec.army.mil/nidpublic">www.tec.army.mil/nidpublic</a> . Associated software (map viewers) are available for free download from URL: <a href="http://crunch.tec.army.mil/software/mapguideviewer/Viewers.html">http://crunch.tec.army.mil/software/mapguideviewer/Viewers.html</a>
<b>Available Documentation</b>	A data dictionary and on-line help can be found on the NID web site. The NID metadata can found on the US Army Corps of Engineers Geospatial Data Clearinghouse Node, <a href="http://corpsgeo1.usace.army.mil">http://corpsgeo1.usace.army.mil</a> , under Corps National Data Sets.
<b>Available Training</b>	Online help and tutorials are available through the Internet at URL: <a href="http://crunch.tec.army.mil/nidpublic/webpages/nidhelpmap.html">http://crunch.tec.army.mil/nidpublic/webpages/nidhelpmap.html</a>
<b>Available Support</b>	All questions and comments can be e-mailed to <a href="mailto:rebecca.ragon@usace.army.mil">rebecca.ragon@usace.army.mil</a> .